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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,984	04/07/2006	Alessandro Aiello	09952.0032	7149
22852 7590 03/12/2008 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP			EXAMINER	
			BONZO, BRYCE P	
901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			ART UNIT	PAPER NUMBER
			2113	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/574,984	AIELLO, ALESSANDRO			
Office Action Summary	Examiner	Art Unit			
	/Bryce P. Bonzo/	2113			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	Lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on <u>07 Ar</u>	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 19-36 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 19,22,24,25,27,28,30,32,33,35 and 36 7) Claim(s) 21,23,29-31 and 34 is/are objected to 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examiner 10) The drawing(s) filed on 07 April 2006 is/are: a) Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction	vn from consideration. is/are rejected. relection requirement. r. in accepted or b) □ objected to be drawing(s) be held in abeyance.	2 37 CFR 1.85(a).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/7/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite			

NON-FINAL OFFICIAL ACTION

Status of the Claims

Claims 1-18 were cancelled prior to examination.

Claims 19, 22, 24, 27, 28, 30, 32, 35 and 36 are rejected under 35 USC §102.

Claims 25 and 33 are rejected under 35 USC §103.

Claim 21 is objected for a minor formality.

Claims 20, 21, 23, 26, 29, 31 and 34 are objected to while containing allowable subject matter.

Minor Informalities

Claim 21 lacks proper antecedent basis for "in said set a faulty hardware function". It is believed Applicant is intending to claim where software on the general purpose device is substituted for faulty hardware on the special purpose device.

Claim Rejections under 35 USC §102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 19, 22, 24, 27, 28, 30, 32, 35 and 36 rejected under 35 U.S.C. 102(e) as being anticipated by Klarer (United States Patent 7,117,390 B1).

19. (New) A method of providing fault protection of special purpose devices included in at least one communication network and performing respective functions comprising the steps of (column 4, lines 1-18):

providing a set of general purpose devices adapted to be configured to perform said respective functions (column 4, lines 18-25); and

in the presence of a function exposed to a faulty condition in any of said special purpose devices, applying at least one of said general purpose devices in performing said respective function exposed to said faulty condition (column 4, lines 18-25).

- 22. (New) The method of claim 19, comprising the step of transferring resources needed to perform said respective function exposed to a faulty condition to a general purpose device in said set (column 4, lines 18-27).
- 24. (New) The method of claim 19, comprising the step of arranging said set of general purpose devices in a distributed system (column 3, lines 30-42).
- 36. (New) A computer program product loadable in the memory of at least one computer and including software code portions capable of performing the steps of the method of any one of claims 19 to 26 (column 2, lines 53-57).

27. (New) A system for providing fault protection of special purpose devices included in

at least one communication network and performing respective functions comprising a

set of general purpose devices adapted to be configured to perform said respective

functions in the presence of a function exposed to a faulty condition in any of said

special purpose devices (column 4, lines 1-27).

28. (New) The system of claim 27, comprising fault handler modules for locating said

faulty conditions in respective special purpose devices and issuing requests for a

general purpose device in said set to be applied in performing said function exposed to

said faulty condition (column 4, lines 1-27).

30. (New) The system of claim 27, comprising a communication facility adapted for

transferring resources needed to perform said respective function exposed to a faulty

condition to a general purpose device in said set (column 3, lines 30-42).

32. (New) The system of claim 27, wherein said set of general purpose devices are

arranged in a distributed system (column 3, lines 30-42).

35. (New) A communication network having associated a fault protection system

according to any one of claims 27 to 34 (column 3, lines 30-42).

Rejections 35 USC §103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negatived by the manner in which the invention was made.

Claims 25 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Klarer in view of Greenspan (United States Patent Application Publication No.

2004/0236987 A1).

As per claims 25 and 33, Klarer does not disclose, while Greenspan teaches:

33. (Representative of claim 25) The system of claim 27, comprising a distribution

center storing code segments associated with said set of general purpose devices, said

distribution center storing code segments adapted to be transferred to said general

purpose devices in said set to configure them to perform said respective functions

exposed to said faulty condition (¶44, 38, 31).

Klarer describes an embedded system with takeover processing. As the system is

embedded, a simple local bus is sufficient to handle the system transmission

requirements. Greenspan is specifically design to handle backup processing on the

network scale for failed processes. Because Greenspan specifically addresses the

distributed nature of the back processing, a distribution center with the specifications for

the virtualized devices is required. This allows the recovery system to begin processing

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without having to store every possible configuration themselves. Thus it would have

been obvious to one of ordinary skill in the art at the time of invention to implement the

distribution system of Greenspan into the recovery system Klarer, thus allowing a more

robust transport of data during a recovery operation.

Allowable Subject Matter

Claims 20, 21, 23, 26, 29, 31 and 34 are objected to while containing allowable subject

matter. Applicant is reminded any change in scope will nullify this indication of

allowable matter. The features outlined below particularly overcome the prior art

rejections.

20. (New) The method of claim 19, comprising the steps of:

including in said special purpose devices a fault handler module;

locating said faulty condition in the respective special purpose device by means

of said fault handler module; and

issuing a request for a general purpose device in said set to be applied in

performing said function exposed to said faulty condition.

21 and 29. ...comprising the step of substituting by means of a software function

performed by a general purpose device in said set a faulty hardware function performed

in one of said special purpose devices.

23 and 31. ...configuring said general purpose devices in said set for resource sharing; and

transferring resources needed to perform said respective function exposed to a faulty condition to a general purpose device in said set from another general purpose device in said set.

26 and 34.configuring said distribution center for receiving from said special purpose devices requests indicative of a faulty condition in said special purpose devices; and

upon receiving any said request, sending from said distribution center a set of code segments for performing a respective function exposed to said faulty condition to at least one general purpose device in said set thereby configuring said general purpose device to substitute the special purpose device exposed to said faulty condition in performing said respective functions.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to /Bryce P. Bonzo/ whose telephone number is (571)272-3655. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571)272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Bryce P Bonzo/ Primary Examiner Art Unit 2113